EntityErasure: Erasing Entity Cleanly via Amodal Entity Segmentation and Completion

- Supplementary Material -

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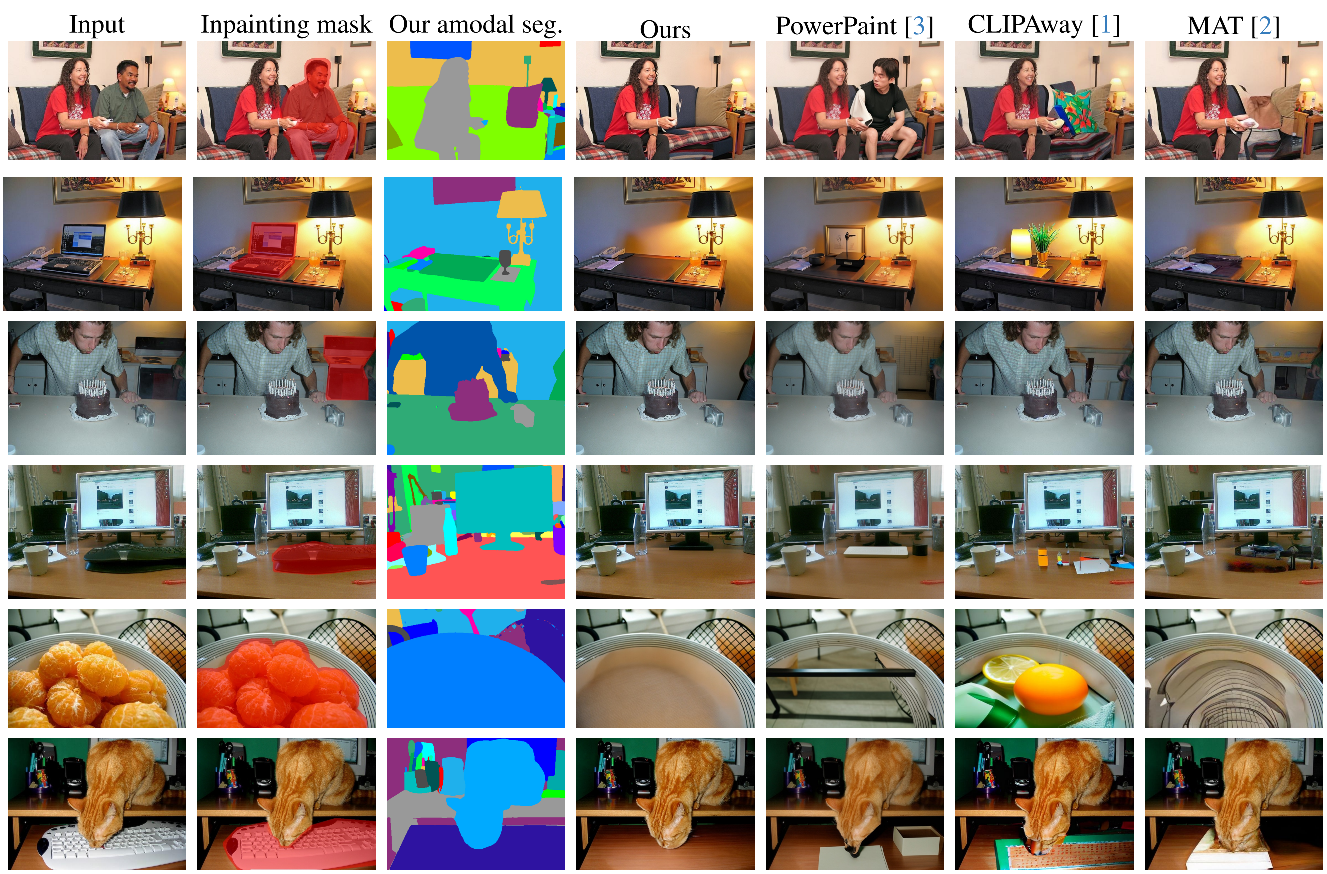

Figure 1. More Qualitative comparisons with state-of-the-art methods.

1. Comparison

In Figures 1, 2, 3, 4 and 5, we present more comparative results across various scenarios. It can be observed that our method effectively erases objects in these scenarios without generating unwanted sundries.

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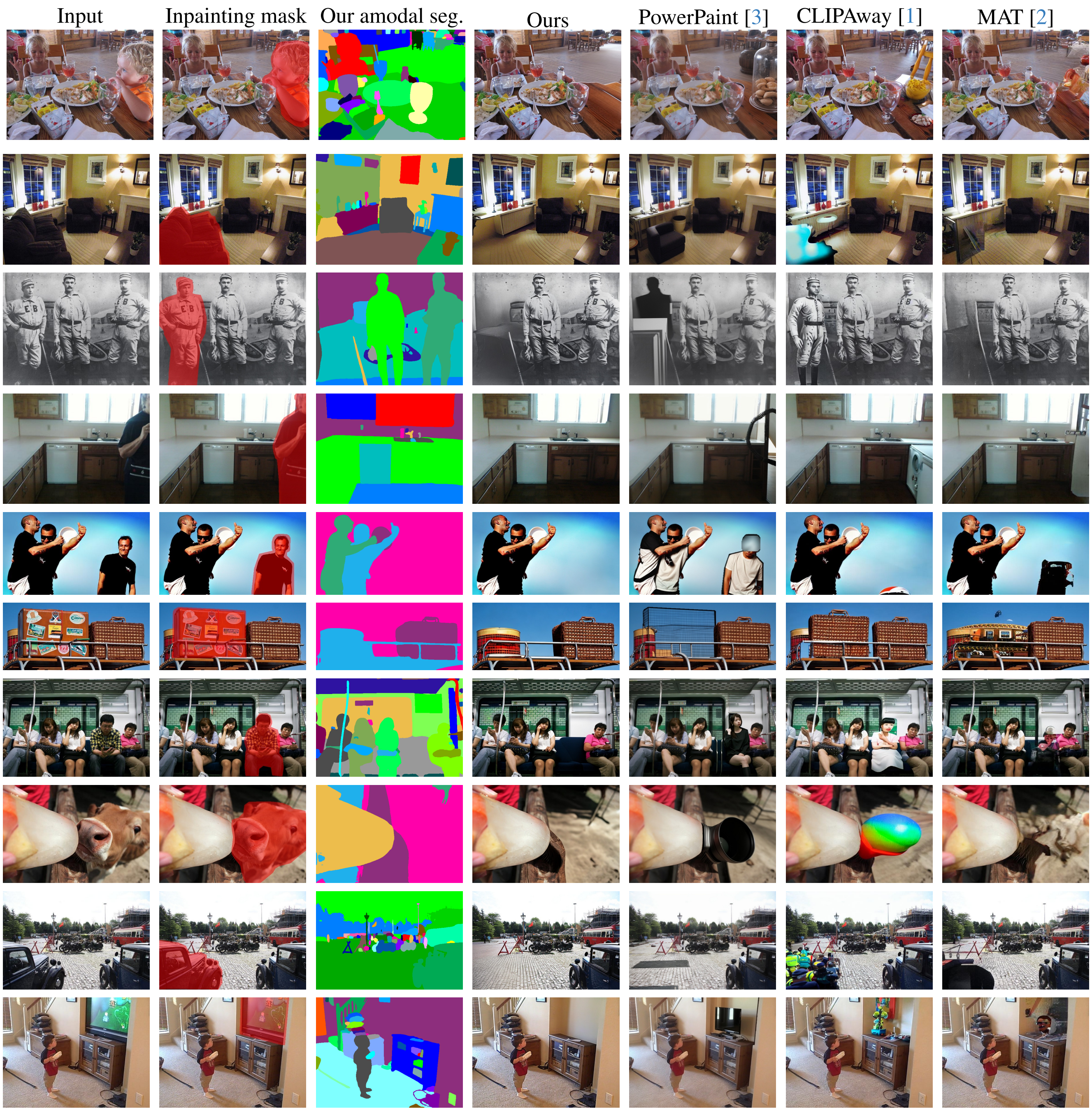

Figure 2. More Qualitative comparisons with state-of-the-art methods.

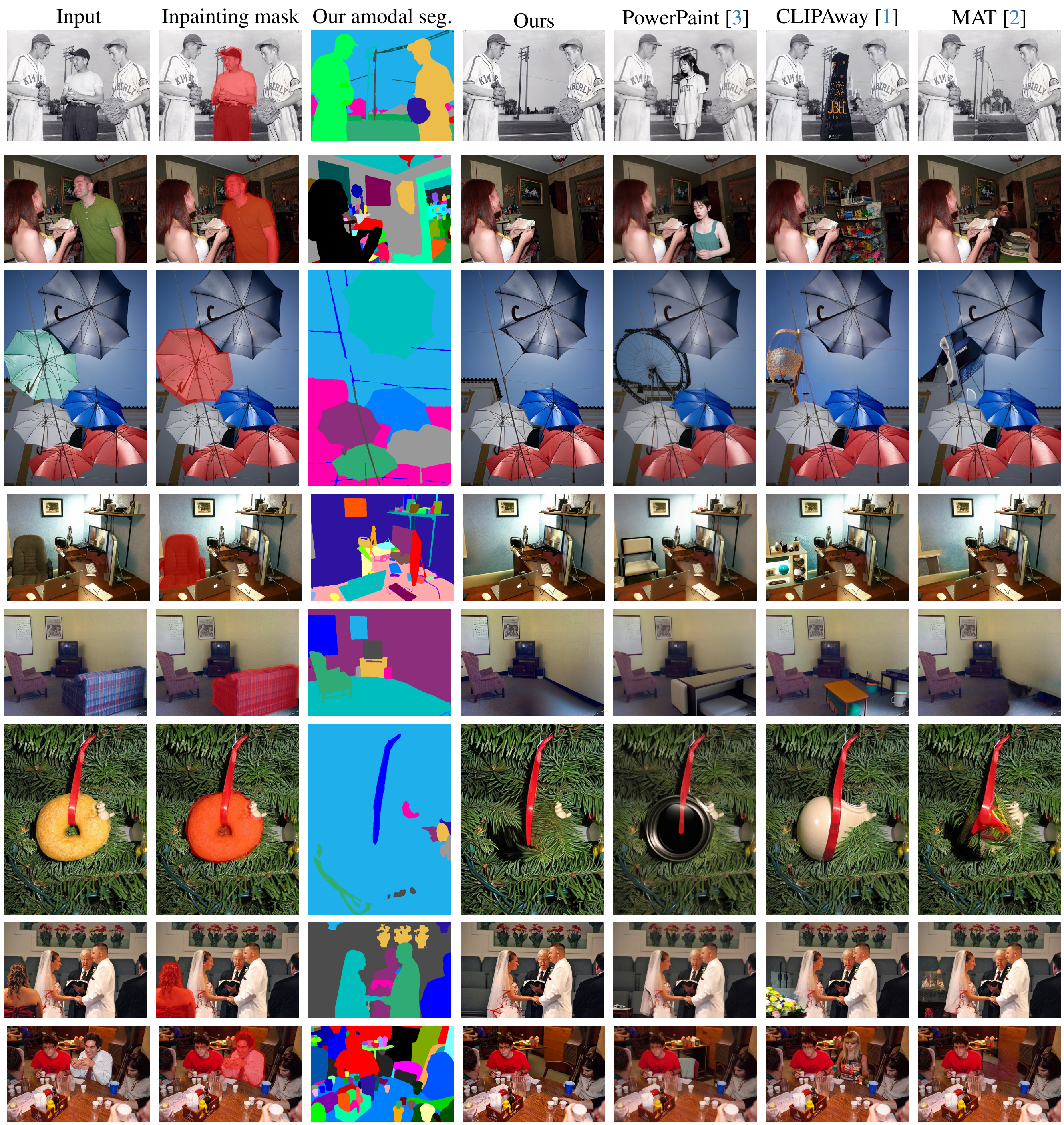

Figure 3. More Qualitative comparisons with state-of-the-art methods.

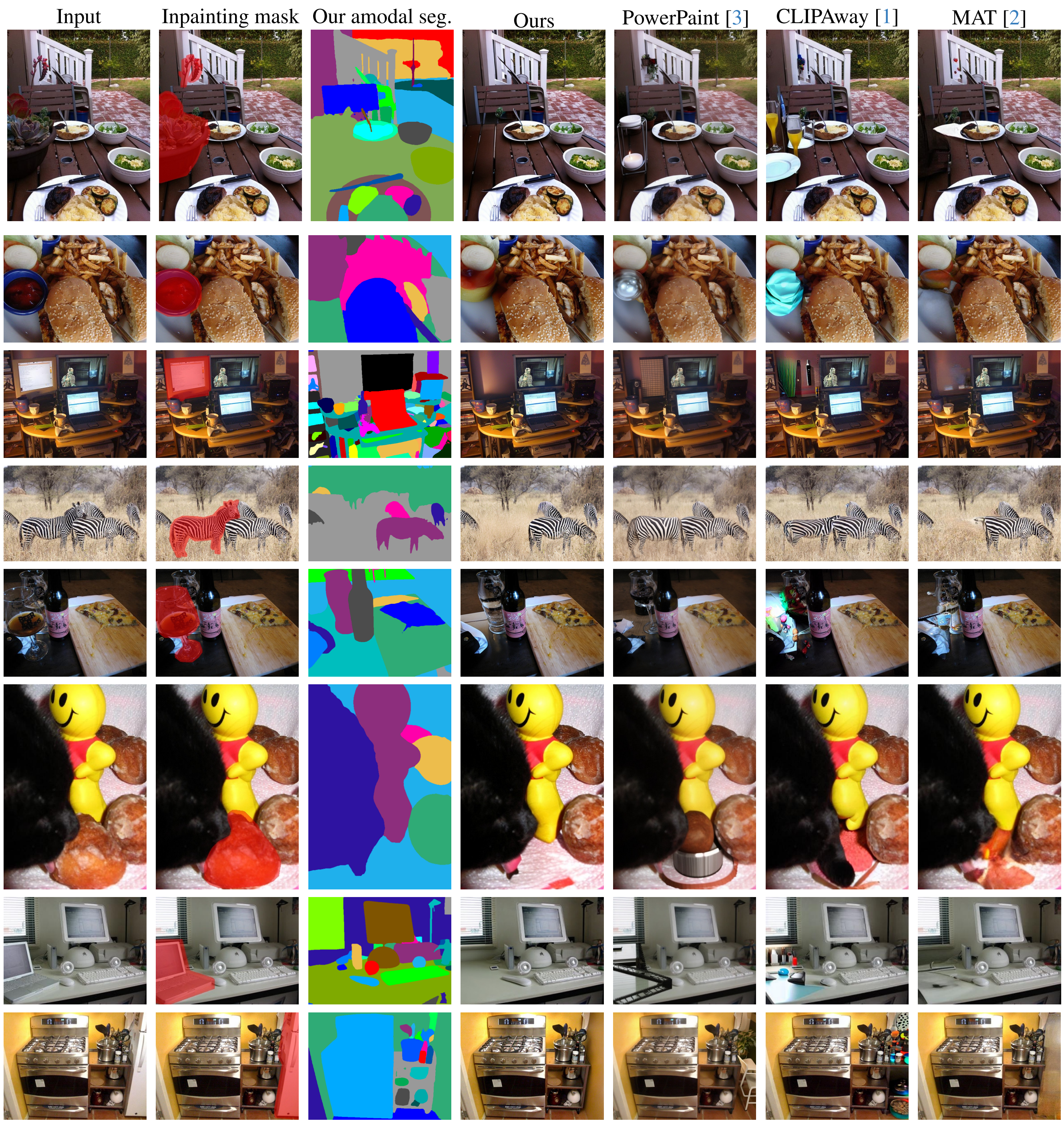

Figure 4. More Qualitative comparisons with state-of-the-art methods.

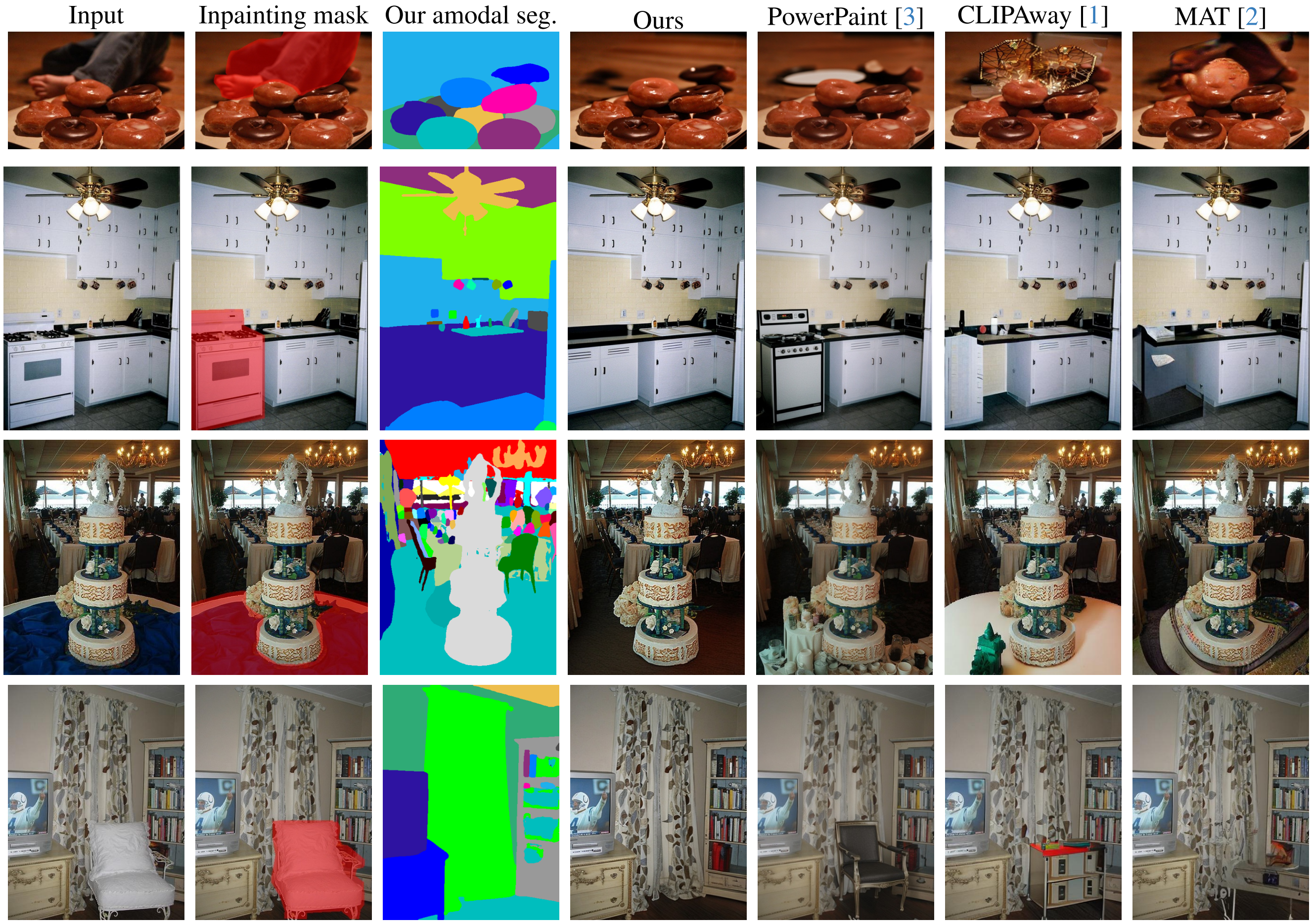

Figure 5. More Qualitative comparisons with state-of-the-art methods.

2. Limitations

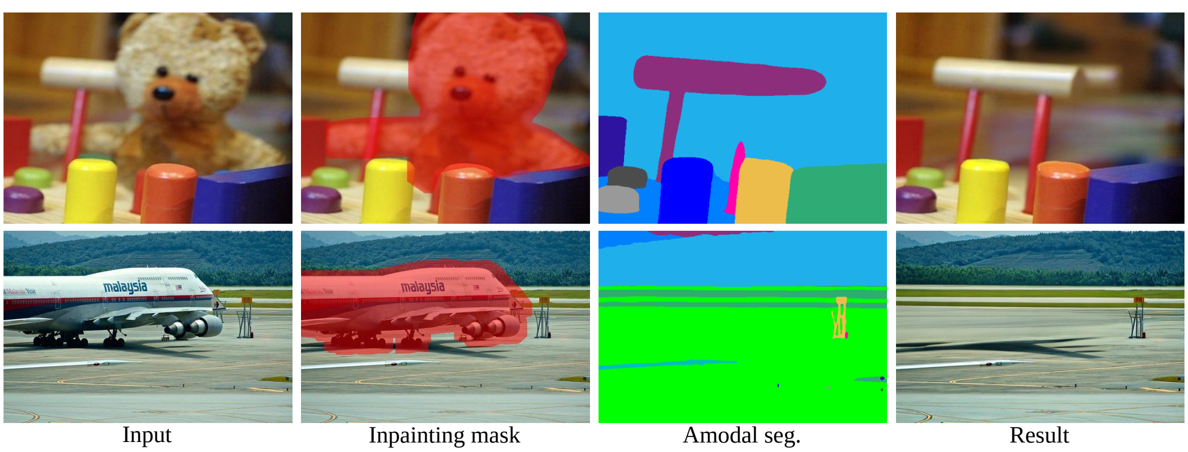

Figure 6. From top to bottom: result with poor amodal segmentation, result with shadow outside inpainting mask.

We show representative failure cases of our method in Fig. 6. If there are errors in the generated amodal segmentation, it will affect the generation of the final results of our model. The feasible solution is to adopt multi-task learning, using traditional amodal segmentation datasets in combination with erasure datasets to learn both tasks, thereby enhancing the unified amodal segmentation ability. And our model cannot erase the shadow outside the inpainting area well. The feasible solution is to incorporate instance shadow detection.

References

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